Notice of Allowability	Application No.	Applicant(s)	
	10/675,664	NIEDERDRANK, TORSTEN	
	Examiner	Art Unit	
	Brian Ensey	2615	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *amendment dated 12/18/06*.

2. ☒ The allowed claim(s) is/are *1-6,8-19 renumbered 1-18*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☒ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

The following is an examiner's statement of reasons for allowance: The present invention is drawn to a wireless transmission system for hearing devices. Independent claim 1 identifies the uniquely distinct feature of a self-exciting oscillation antenna circuit with a first switch operated to excite the antenna from an amplifier and a second switch operated to modulate the resonant frequency of the self-exciting oscillation circuit with the first switch maintained in a closed condition in combination with all the disclosed limitations of claim 1. Independent claim 6 identifies the uniquely distinct feature of a receiver utilizing a median filter and a self-exciting oscillation antenna circuit that generates a carrier frequency for transmission and for clocking the median filtering by the median filter in combination with all the disclosed limitations of claim 6. Independent claim 14 identifies the uniquely distinct feature of a radio device to transmit signals to a second hearing device utilizing a median filter and a self-exciting oscillation antenna circuit that generates a carrier frequency for transmission and for clocking the receiving device in combination with all the disclosed limitations of claim 14. Independent claim 16 identifies the uniquely distinct feature of transmitting radio signals from a first hearing device to a second hearing device utilizing a median filter and a self-exciting oscillation antenna circuit that generates a carrier frequency for transmission and for clocking the median filtering in combination with all the disclosed limitations of claim 16. Independent claim 17 identifies the uniquely distinct feature of a radio device to transmit signals to a second hearing device utilizing a median filter and a self-exciting oscillation antenna circuit that generates a carrier frequency for transmission and for clocking the median filtering in combination with all the disclosed limitations of claim 17. Independent claim 18 identifies the uniquely distinct feature of a

receiving device comprising a median filter, a self-exciting oscillation antenna circuit that generates a carrier frequency for transmission and for clocking the receiving device and a switch to modulate the resonant frequency of the self-exciting oscillation circuit by operating the switch in combination with all the disclosed limitations of claim 18. Independent claim 19 identifies the uniquely distinct feature of noise signal reduction utilizing a median filter and a self-exciting oscillation antenna circuit of a hearing device and using the self-exciting oscillation circuit for clocking the median filtering in combination with all the disclosed limitations of claim 19. The closest prior art, Anderson (US 5721783) teaches a radio device to transmit signal to a second hearing device utilizing an antenna but fails to teach a self-exciting oscillation circuit and a median filter; Hayakawa et al. (US 6862436) teaches a switch to add an additional capacitor in parallel to a first capacitor to vary the resonant frequency of an antenna circuit; Katayanagi et al. (US 5732390) teaches utilizing a median filter for noise reduction but fails to teach clocking the median filter by a carrier signal for median filtering; and Yamada et al (US 5768690) teaches an LC circuit for generating a carrier frequency for transmission and clocking a receiving device. The prior art fails to anticipate or render the independent claims obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Ensey whose telephone number is 571-272-7496. The examiner can normally be reached on Monday - Friday 6:30 AM - 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, Va. 22313-1450

Or faxed to:

(571) 273-8300, for formal communications intended for entry and for informal or draft communications, please label "PROPOSED" or "DRAFT".

Hand-delivered responses should be brought to:

Customer Service Window
Randolph Building
401 Dulany Street
Arlington, VA 22314

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SINH TRAN
SUPERVISORY PATENT EXAMINER

BKE
February 7, 2006